

FIG. 1

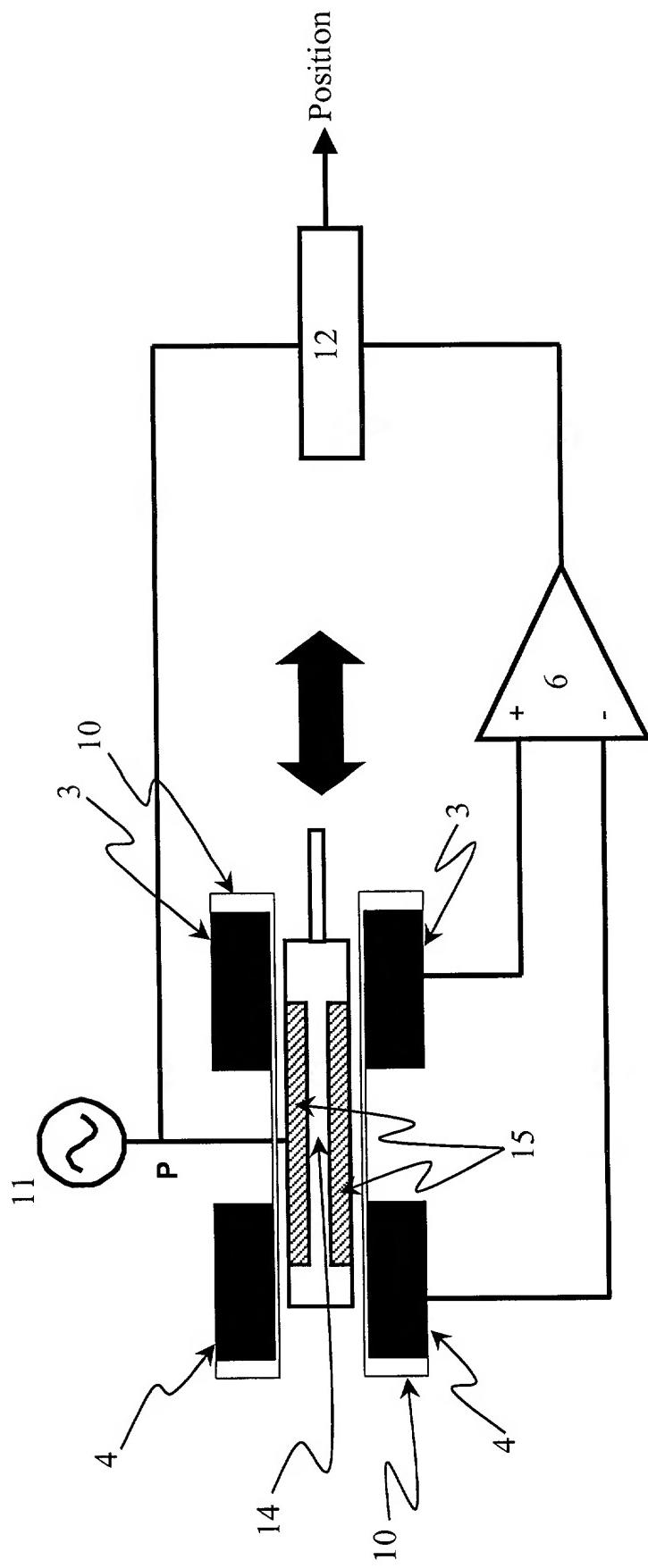


FIG.2

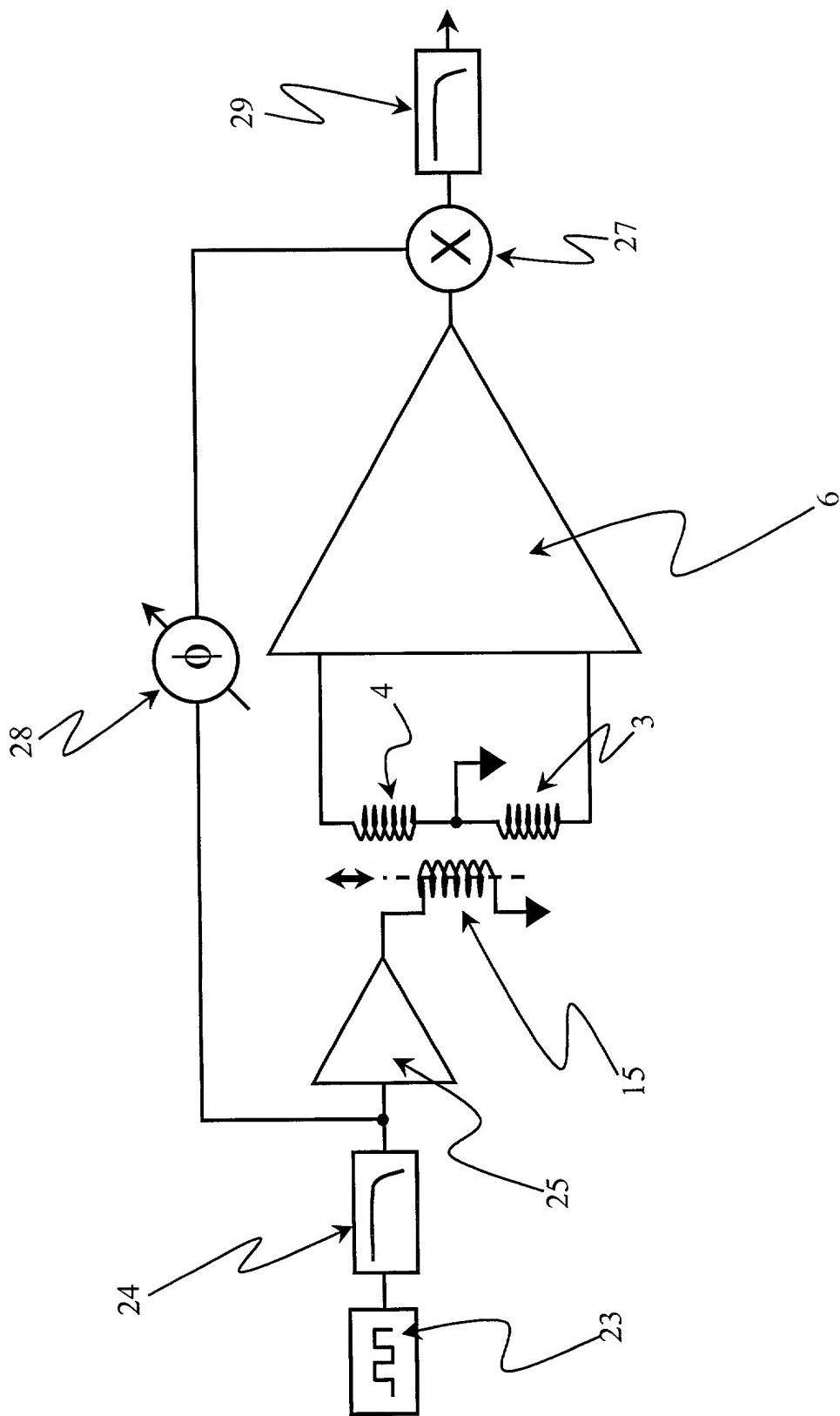


FIG.3

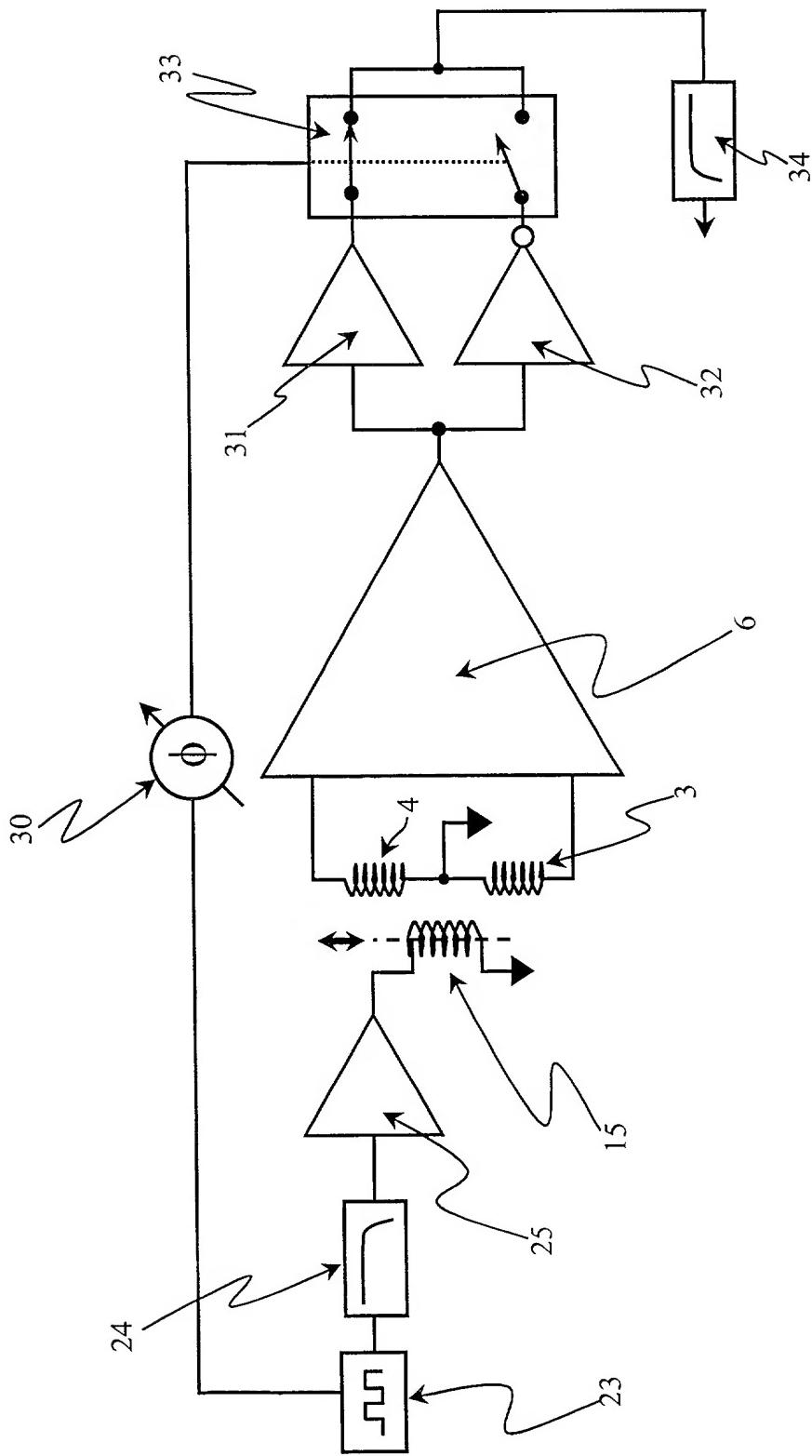


FIG.4

1000 800 600 400 200 0 -200 -400 -600 -800 -1000

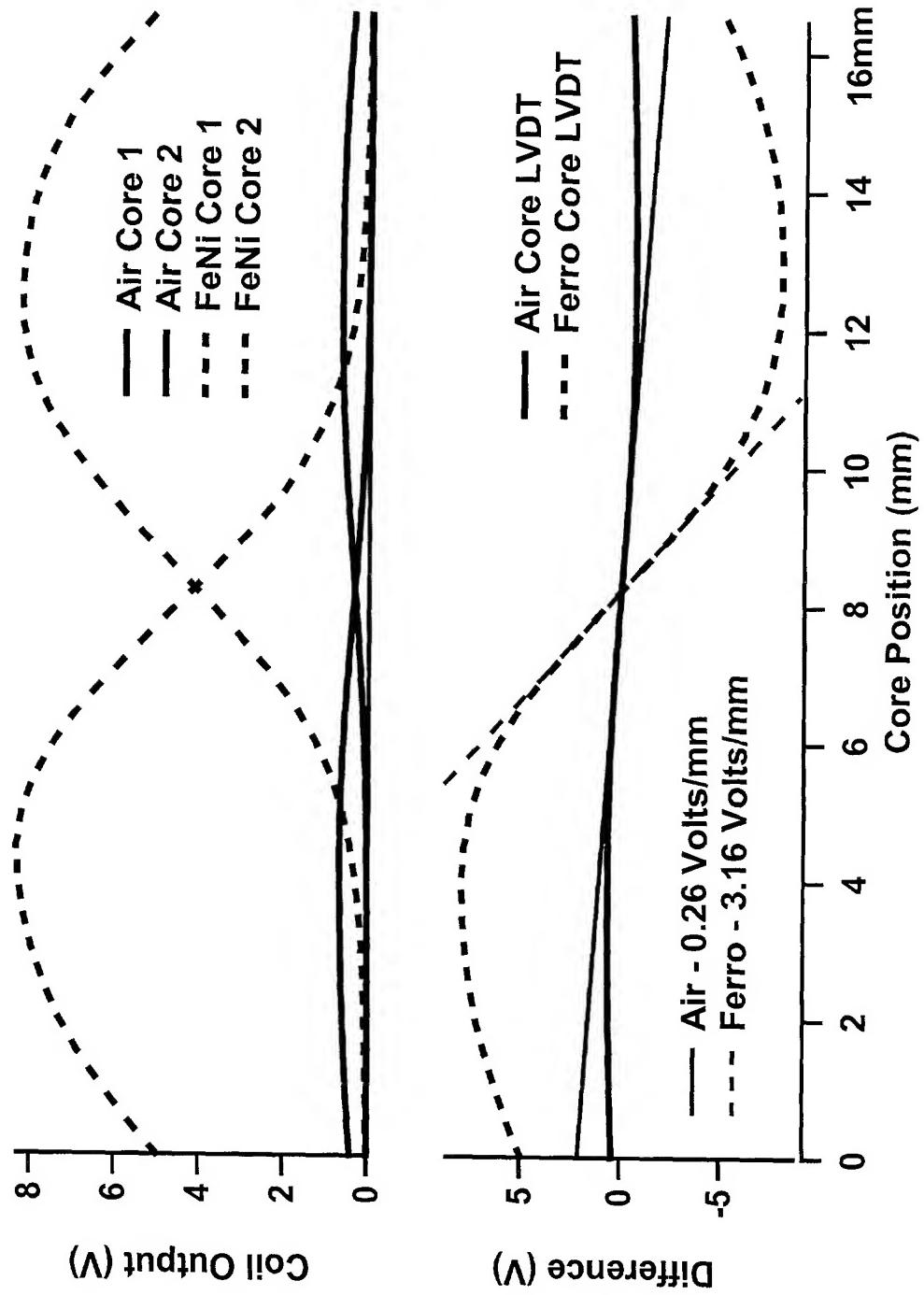


FIG. 5

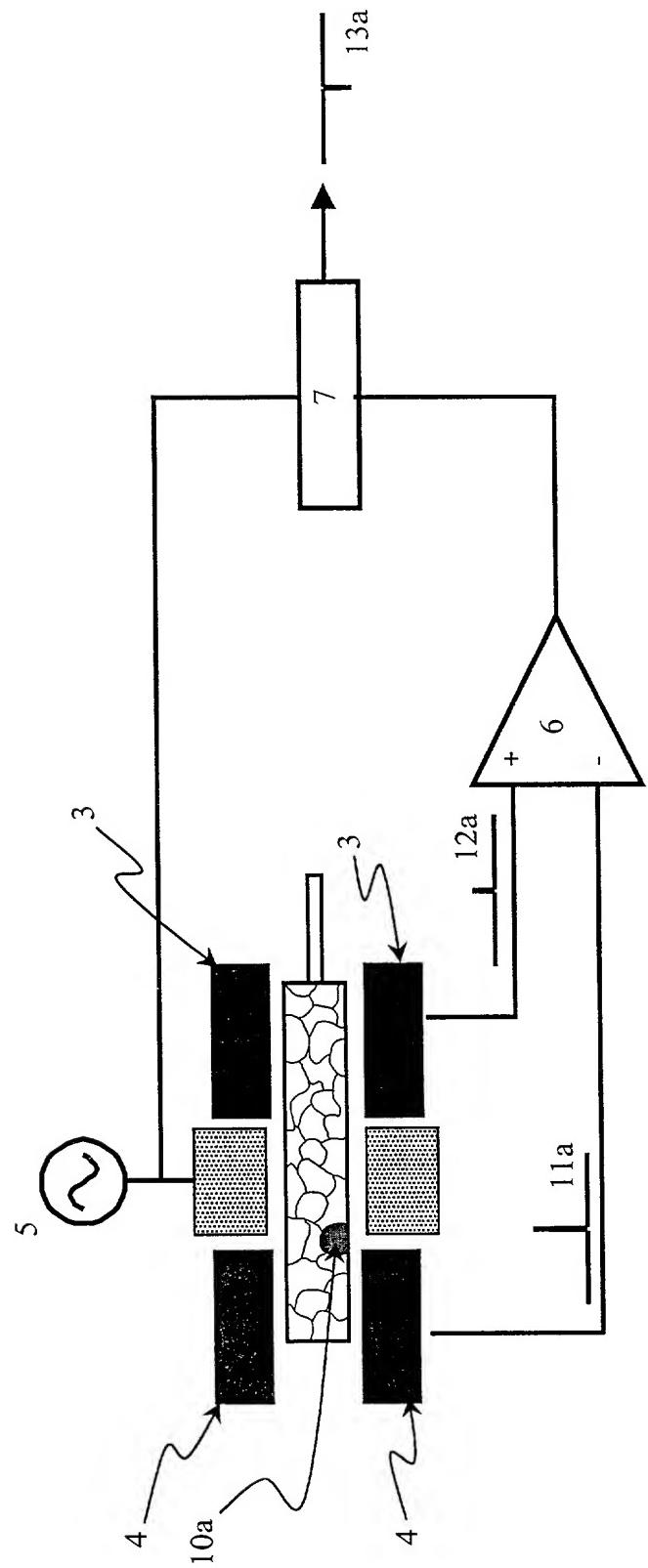


FIG. 6

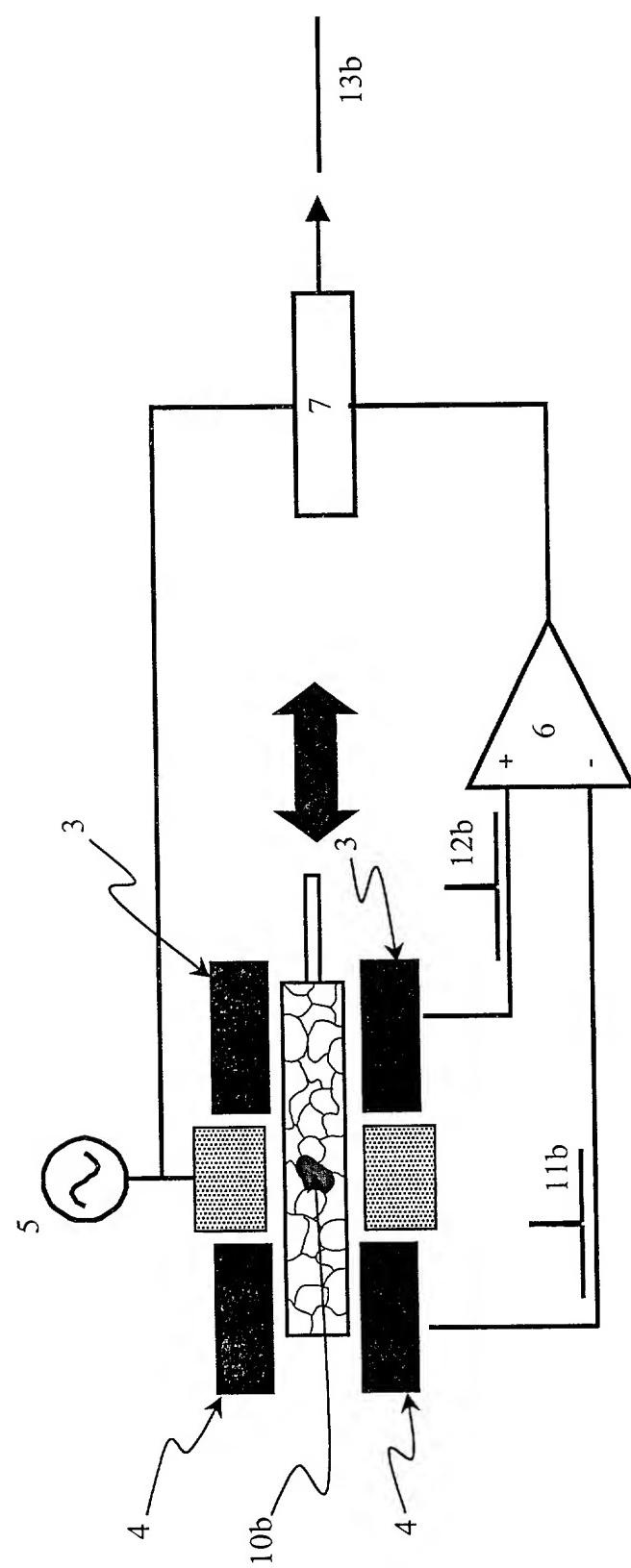


FIG. 7

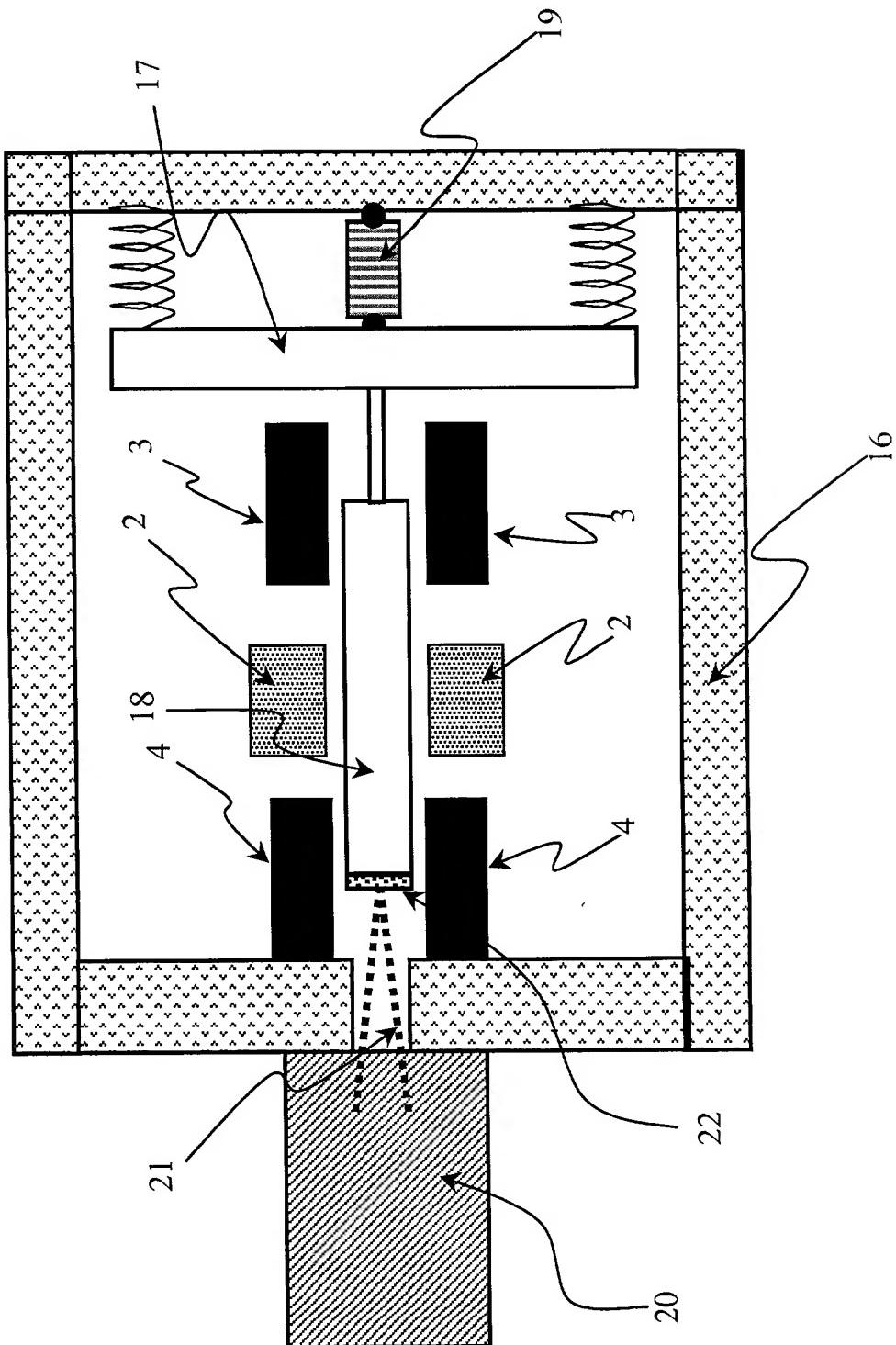


FIG. 8

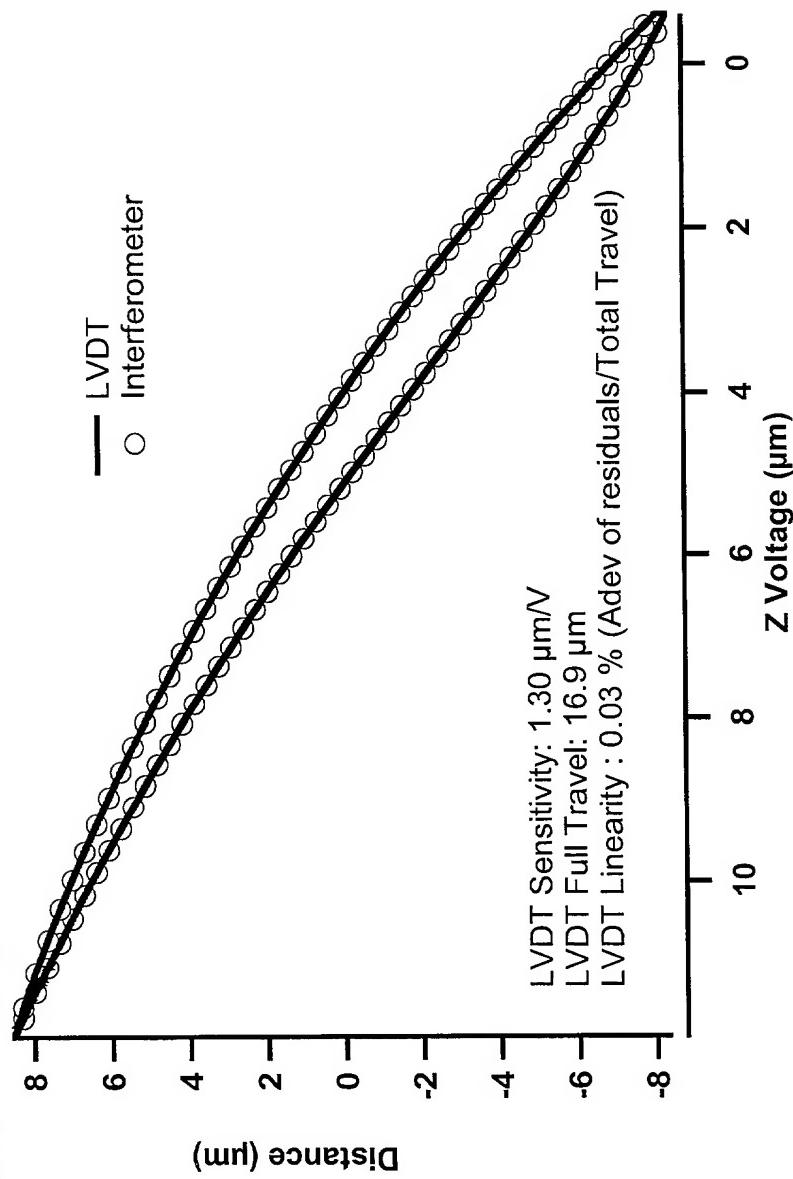


FIG. 9

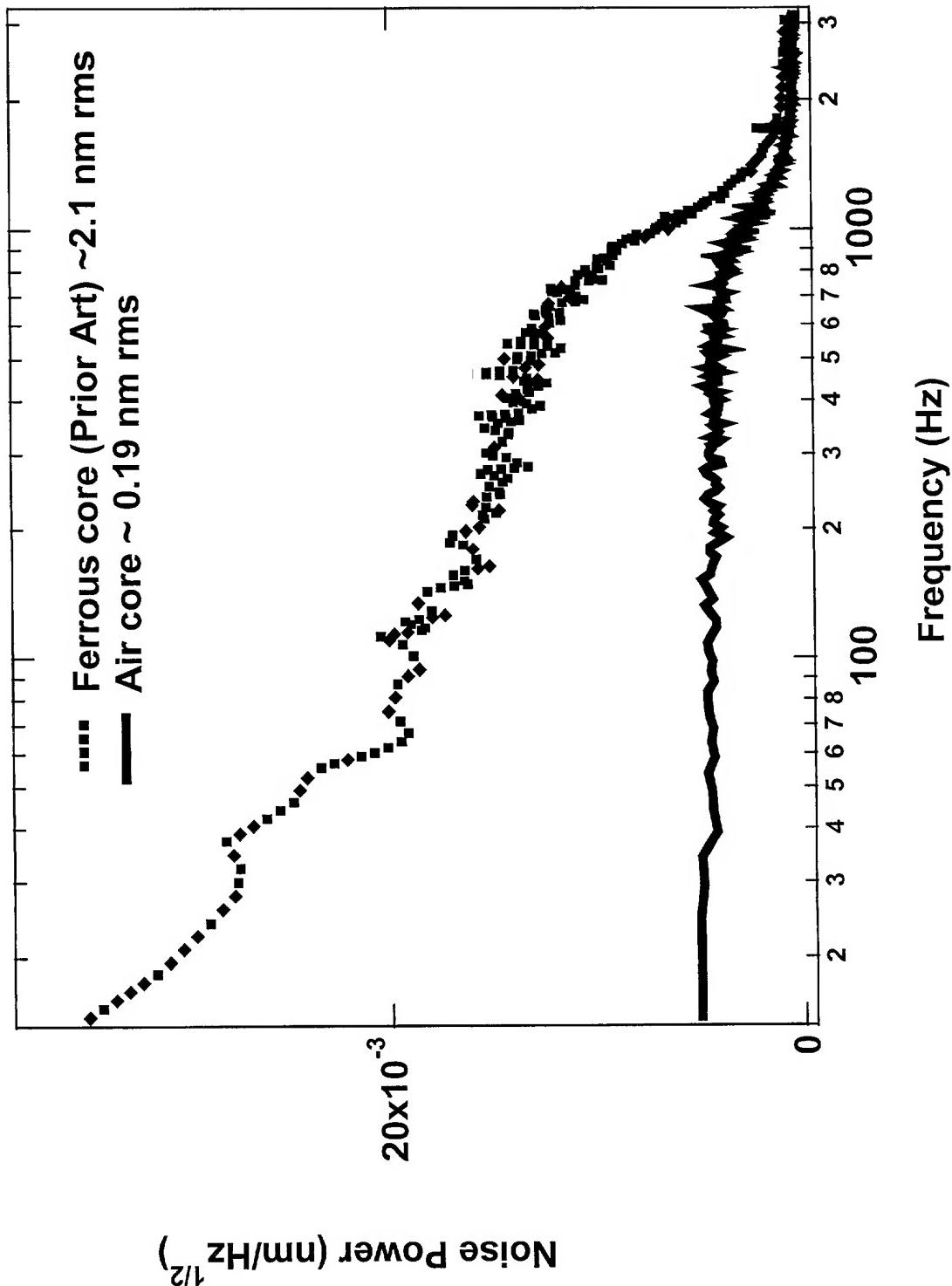


FIG. 10

Noise vs. Time for ferromagnetic and non-ferromagnetic cores

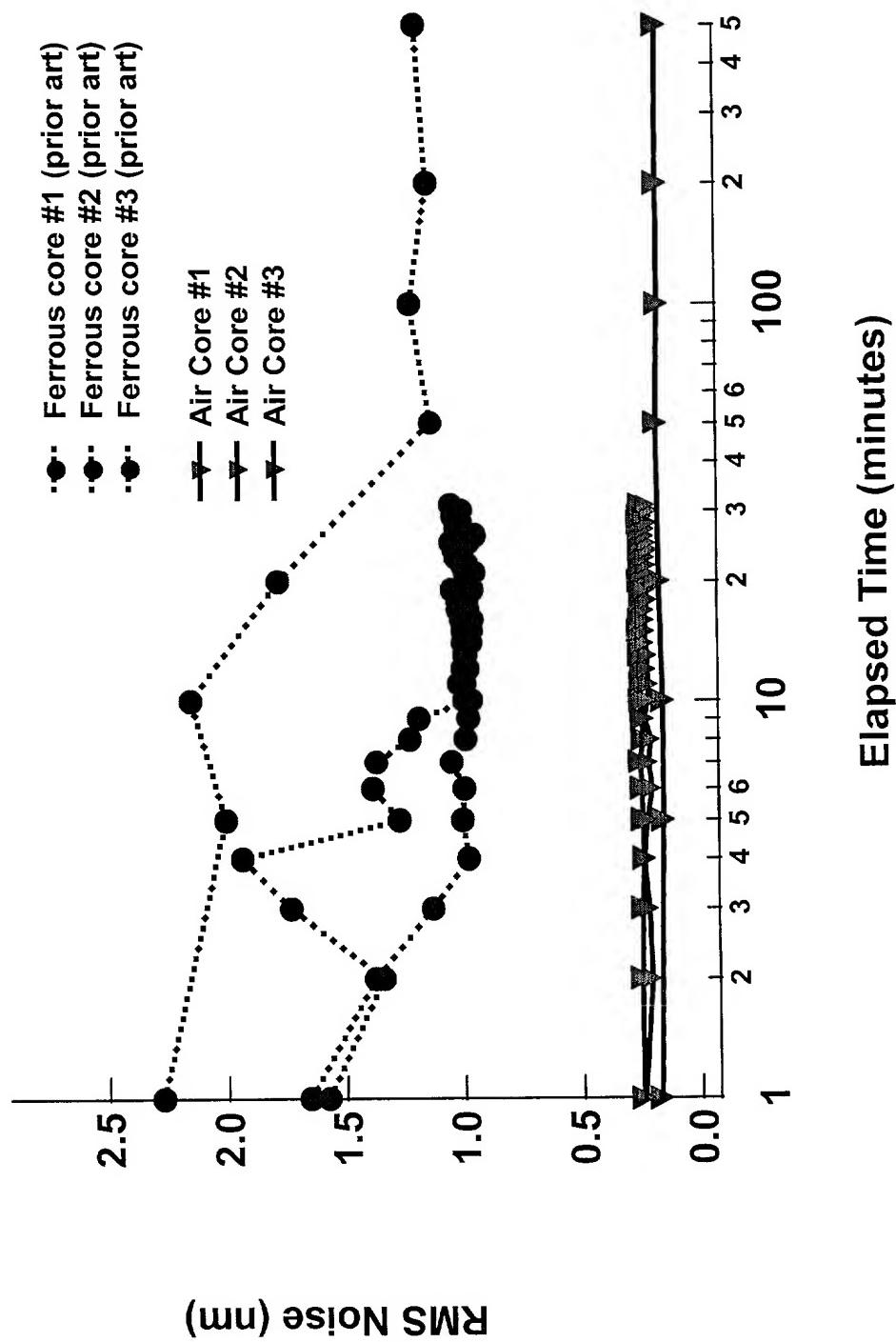


FIG. 11

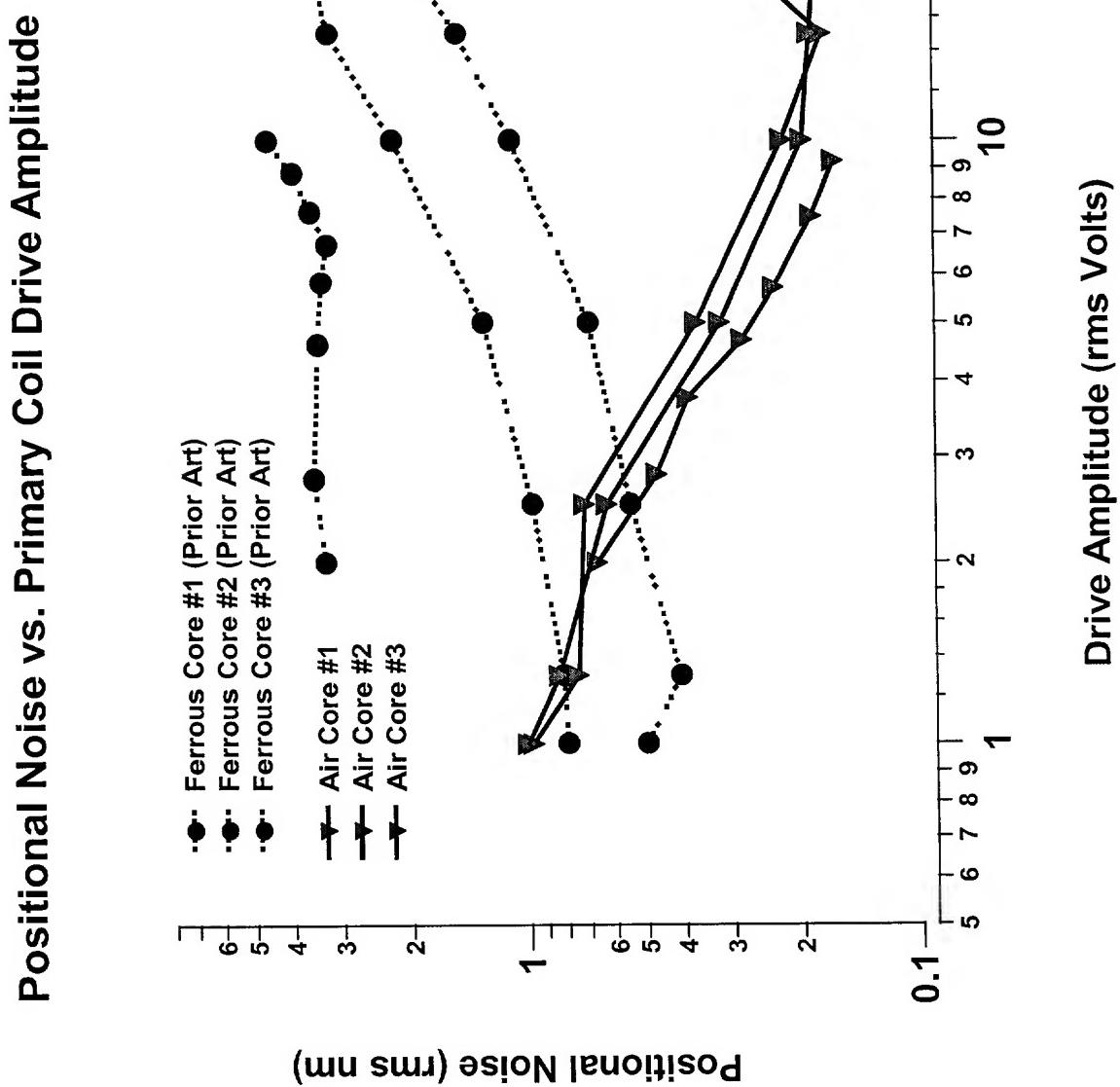


FIG. 12

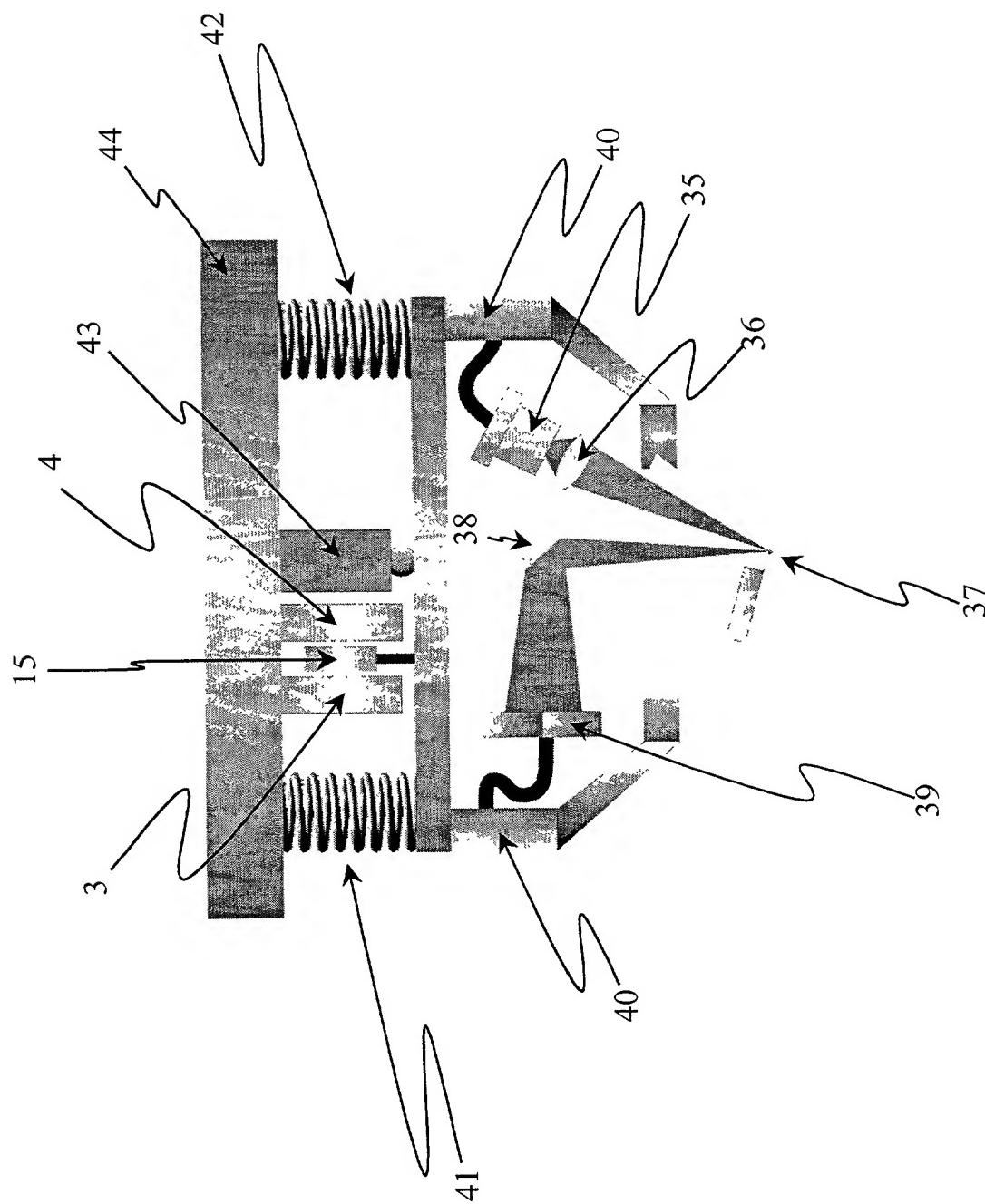


FIG. 13

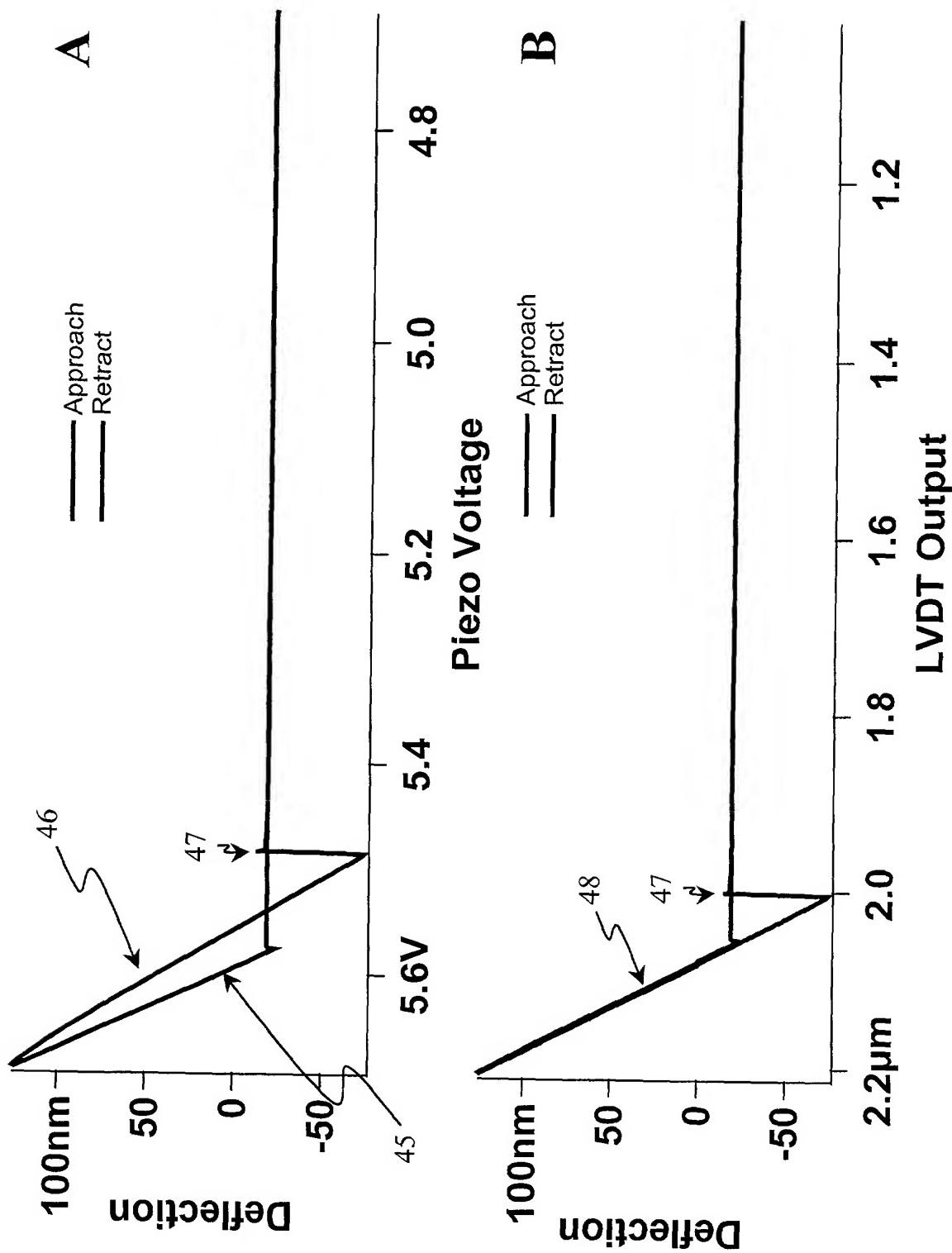


FIG. 14

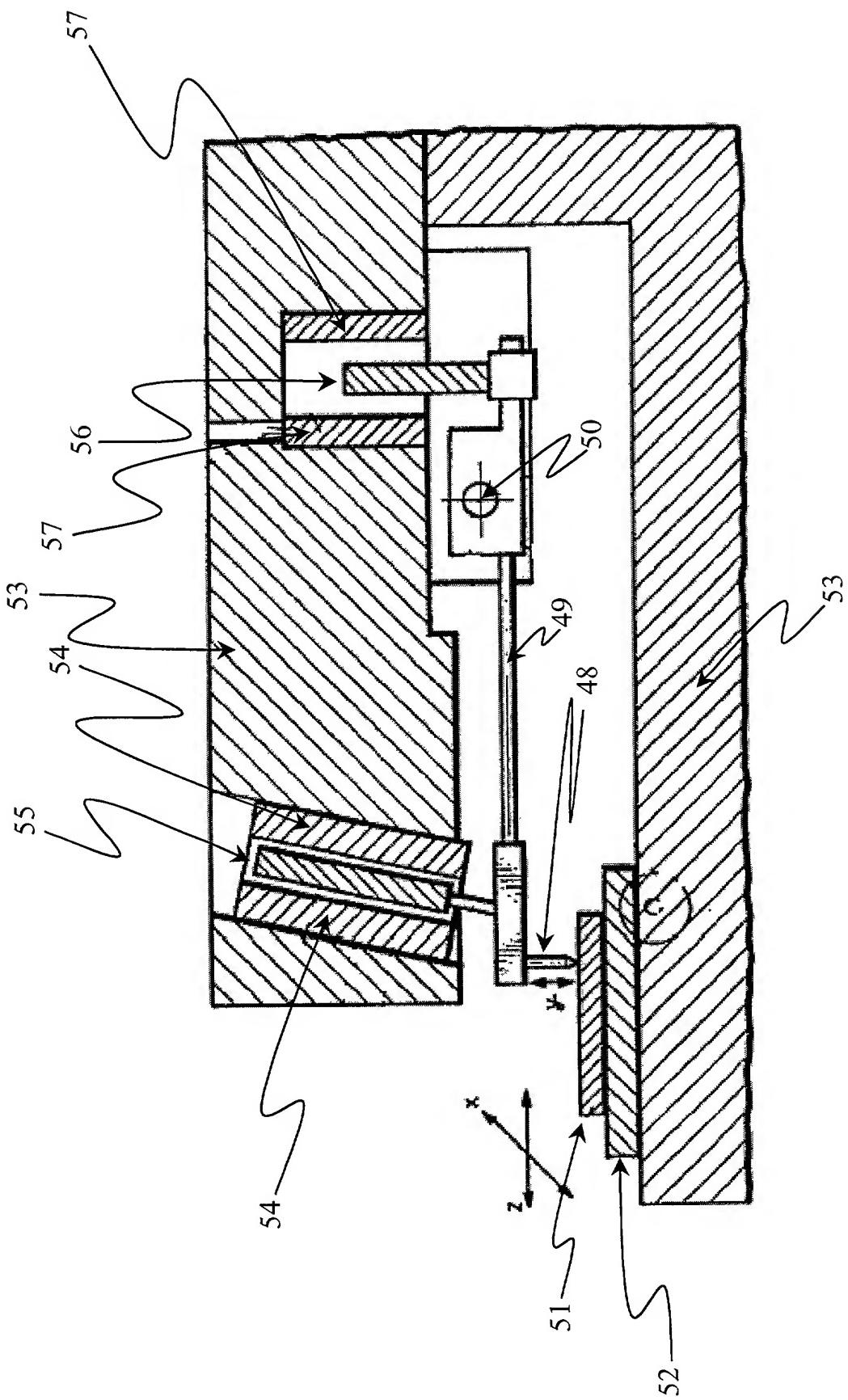


FIG. 15

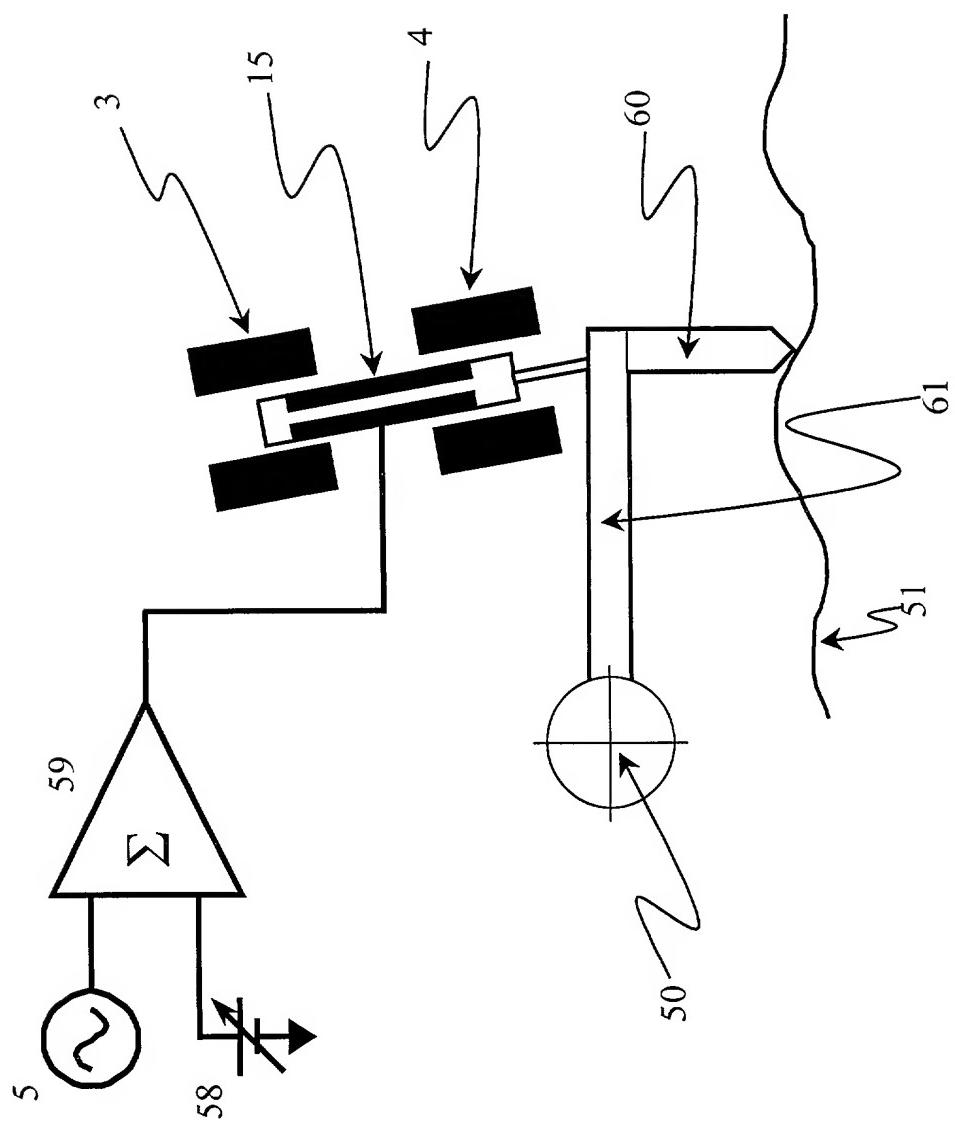


FIG. 16

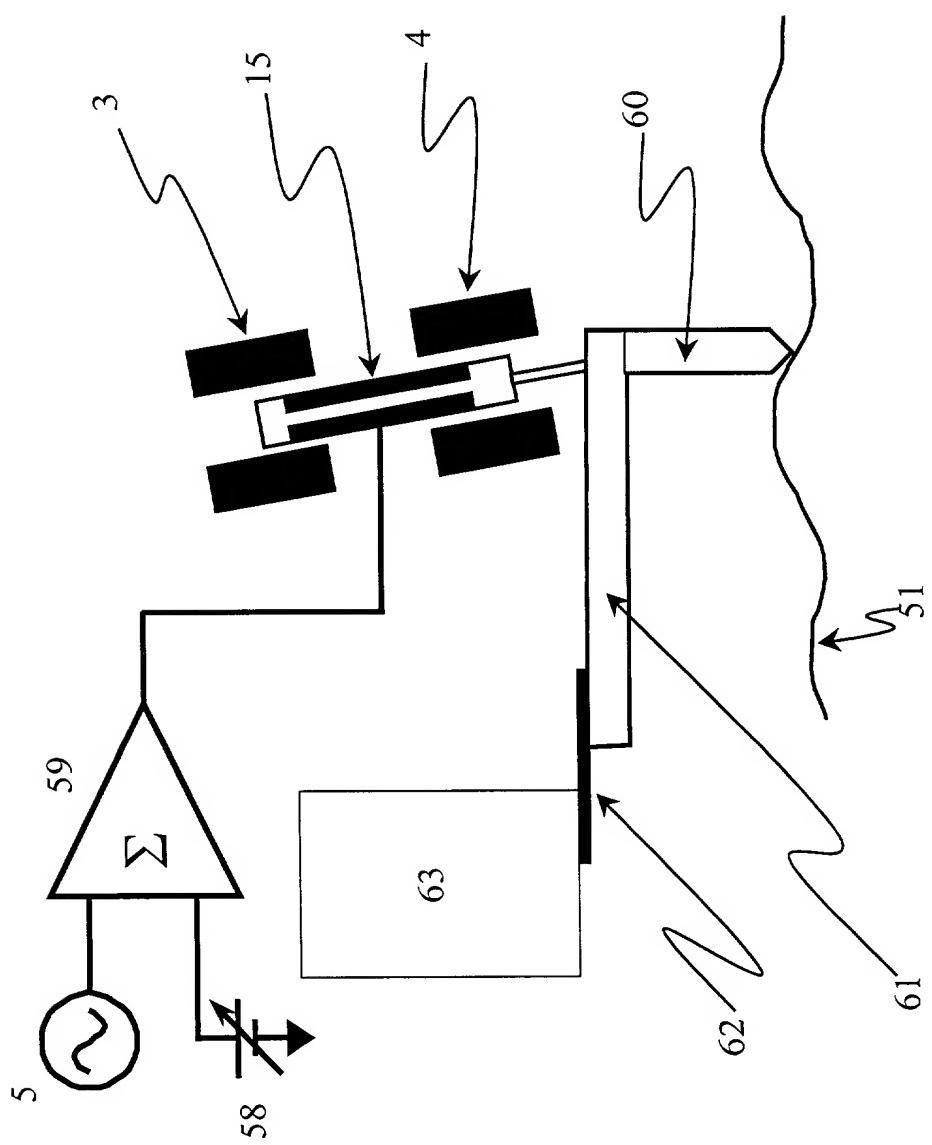


FIG. 17

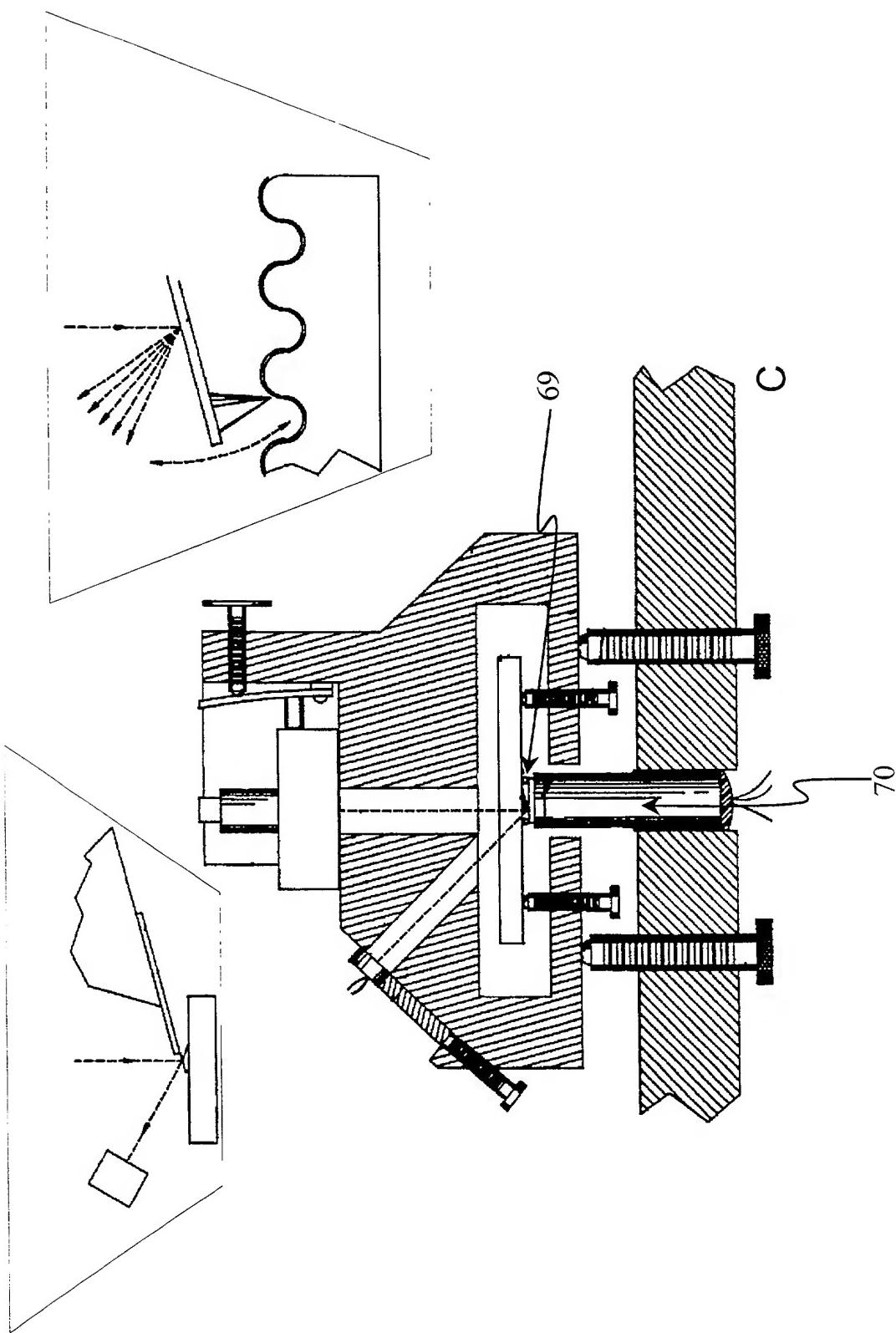


FIG. 18

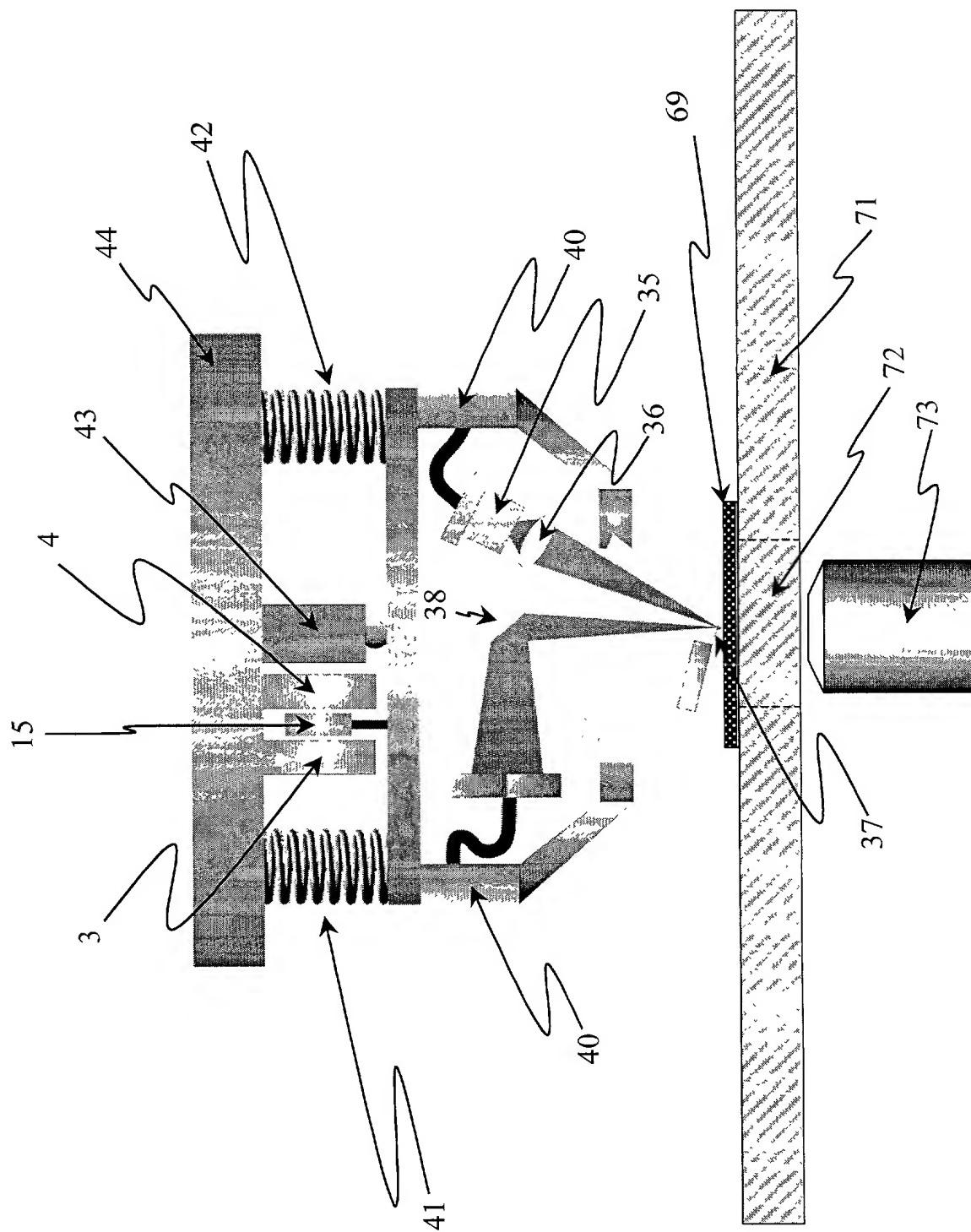


FIG. 19

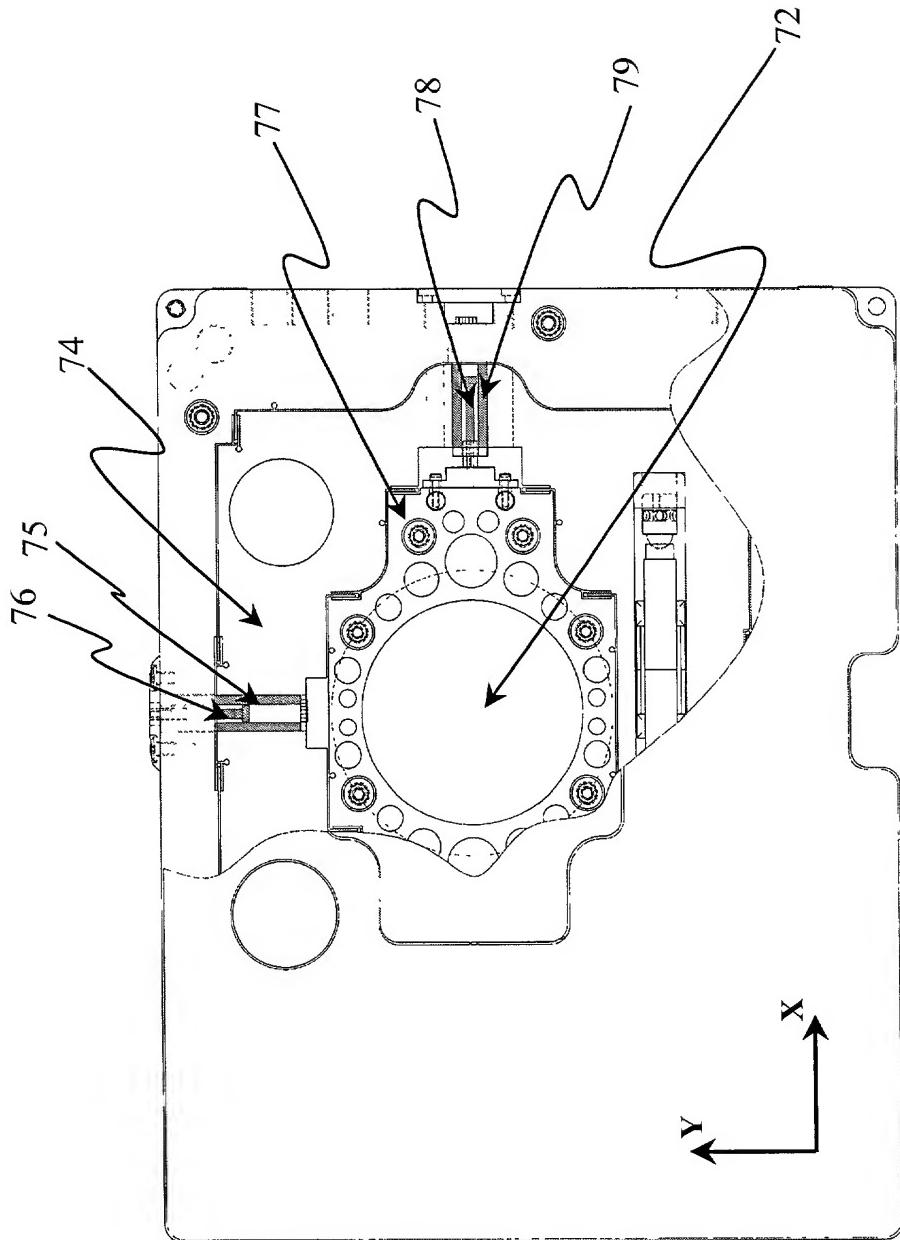


FIG. 20

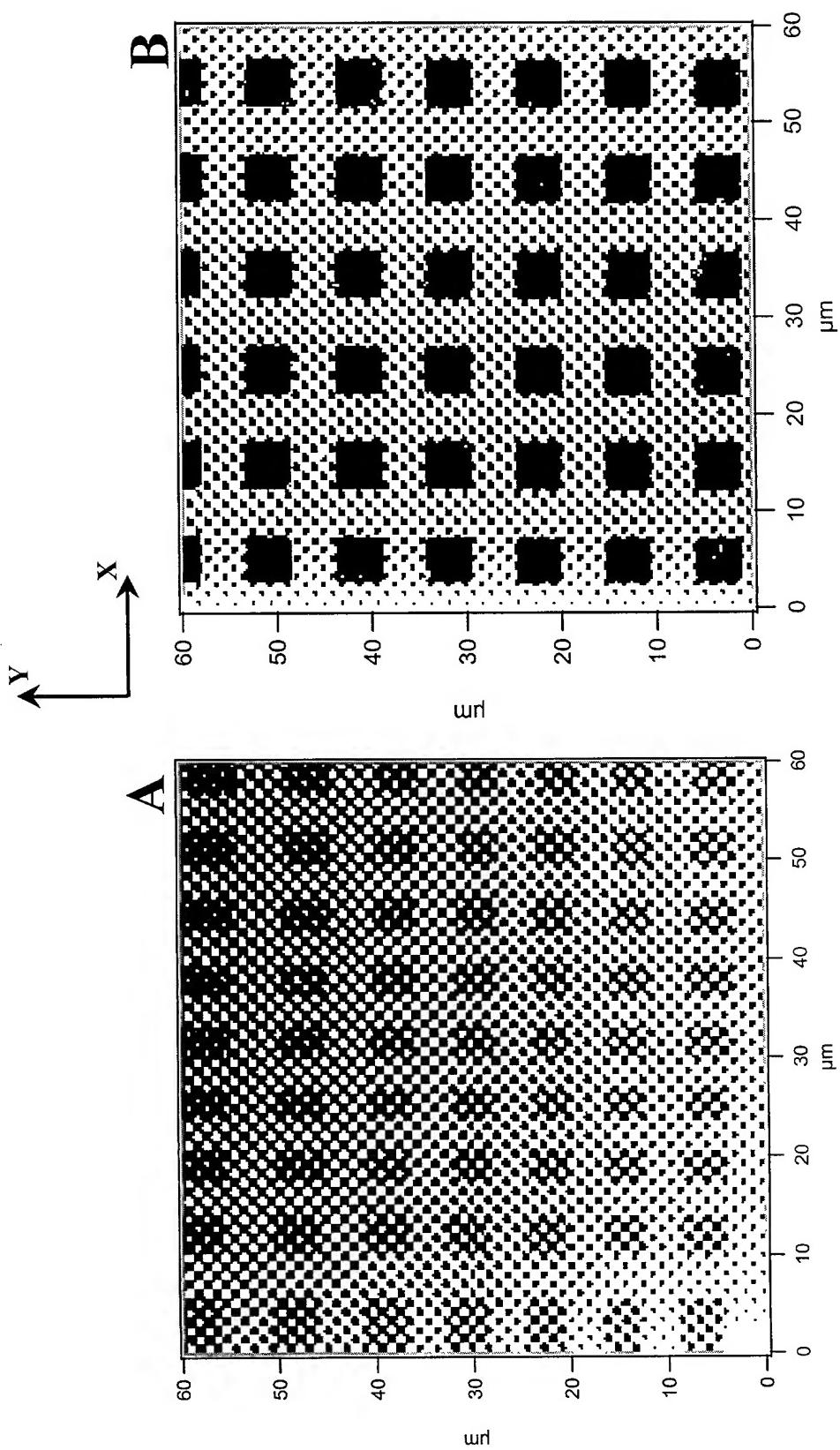


FIG.21